

Meeting Description: Michigan Geographic Framework Users Meeting

Date: April 6, 2000

Time: 10:00 a.m.

Location: Lewis Cass Bldg., 1st Floor, Dept. of Management and Budget Large Conference Room

Rob Surber, Michigan Information Center (MIC), announced that the MIC will be moving on July 1, 2000 to the George W. Romney building. Parking is available for meeting attendees in a parking ramp and on the street. A map will be provided.

I. Approval of March Meeting Minutes

II. Geographic Framework Program

A. Michigan Information Center (MIC) Project Update

1. Phase 2 / Seaming Status

Rob Surber, MIC, distributed a current status map. Phase 2 work is complete on 73 counties. Michigan Accident Location Inventory (MALI) and roads have been added. The MALI work has been completed for Kent County and the reconciling of trunkline attributes remains to be done. Expects to have Kent, Saginaw, Lapeer, Washtenaw, and Jackson counties complete by next meeting. The county seaming works to make consistent product across county lines. The Upper Peninsula is complete and they are now working on the northern Lower Peninsula. Also have additional work before submission of first production version - updating to current Act 51 road standards (Phase 2 work had been done to previous year's work). Before releasing official version would get up-to-date with current Act 51 standard (an Act 51 Update Status map was passed around for review). The MIC is also updating remaining polygons that were not done with conflation - school districts, county commissioner districts, census tract, and census block groups.

Sherm Hollander, Michigan Department of Natural Resources (MDNR), asked if when the seaming is done and roads are displayed to one county, would there be stragglers in other counties.

Rob Surber, MIC, responded that it depends on the deliverable. The stragglers in the data version in release are part of the reference system – the roads are a continuation to a known intersection. If you don't care about linear referencing, then you can get a geographic cut of just the county with the roads. The county lines would be a consistent break point for the data.

Everett Root, MIC, added that there would be queries based on county attributes. If there are no physical features at the county line to show where it leaves the county, the referencing system would continue to the next intersection.

Rob Surber, MIC, stated that the MIC had to finish up as part of the production work for the county and that is why it is in there. The MIC would deliver a county stopping at the county line.

Jeroen Wagendorp, Allegan County GIS, asked if the MIC would be interested in Allegan County's updated the GIS layer to the Road Commission's Act 51 data. Additional coding for specifying paved and unpaved roads was added.

Rob Surber, MIC, responded that the MIC could use that data. Suggested that other counties could use Jeroen's formula for paved and unpaved roads.

2. Framework Classification Code (FCC)

Rob Surber, MIC, reported that the FCC would put a new coding hierarchical scheme on map. Comments and suggestions are welcome.

3. Polygon Build / Act 51 Update

Rob Surber, MIC, reported that he would have an update map at the next meeting. The work is going well. All of the quality control programs have been written and are being run.

Everett Root, MIC, added that an average county takes approximately 1 day to complete.

Rob Surber, MIC, commented that SEMCOG has done polygon work in their area.

4. Wayne County Partnership

Rob Surber, MIC, reported that the MIC is working with Wayne County and SEMCOG on a partnership as part of the framework program to share work. Wayne County has Geographic Information System (GIS) program and they are doing parcel mapping and are creating a centerline product that is more positionally accurate than what they state is working on. They have had digital ortho's created for their county, which is the primary source for the centerline product. The MIC has been working on

requirements to move framework version to the new centerline product that will require more conflation. At this time, they are working on the timing. The MIC is planning on giving the most recent updated SEMCOG version that the MIC has worked on, to Wayne County's vendor to migrate the data to the new line work. Then Wayne County will have a product the roads department will use for routing. The MIC will then incorporate this into the state product. MIC will deliver framework first as a complete statewide product that includes Wayne County using their ortho's to add roads - then will use the product for the next version and their higher accuracy line work. This would probably take about a year. SEMCOG is working with MIC on their referencing to be sure that they can utilize the information as well. This could be a model for other counties. This is a real reasonable project because the goals are similar. The parcel product is being kept separate from the centerline product. They are working on common standards that all can compromise on. Once brought to higher accuracy line work, the maintenance part will then be addressed, would be coordinated and should be manageable.

Jeroen Wagendorp, Allegan County, suggested that we have an urban sample and a rural sample. Allegan County will revisit every road based on ortho's. Suggested that they look at standards and do it right from the beginning.

Rob Surber, MIC, agreed and suggested that they discuss. A lot of counties may look at Wayne County and not see similarities to their own county. Wayne would be an example for Oakland and Kent counties, but even in SEMCOG there are counties (St. Clair, Monroe) that are not similar to Wayne.

Jeroen Wagendorp, Allegan County, added that there is a spectrum across the state and the product would be quite different.

Rob Surber, MIC, commented that apart from technical side, is the support from management on down – they want this to happen and therefore they can make it work. There are a lot of counties that are interested in working with the state long-term. We need to come up with an agreeable plan that works for everyone.

Bill Enslin, MSU, asked what the source scale is.

Rob Surber, MIC, responded that it is 1:400. They plan to attach routing attribution and would also adopt physical referencing (PR) standards so that the sharing of data would be easier and won't have to constantly do conflation. The target completion date for MIC product through Phase 2 for Wayne County is the end of summer, then Michigan State Industries (MSI) will update. Looking at a year from that time for another version that would have the higher positional data including SEMCOG's information. Wayne County's conflation vendor is adding a couple months to that. Post conflation cleanup is the real issue. Wayne County may not have a product until fall and then MIC will take their product. MIC can do some preliminary work now, because MIC is already using Wayne County's ortho's.

Joyce Newell, Michigan Department of Transportation (MDOT), commented that MDOT may ask that MIC make sure Wayne County is sealed before it is delivered to Phase 2.

B. Base Map Scale Versions

Rob Surber, MIC, reported that he would be summarizing the base map scale information from the Listserve and go from there. Is waiting for information from MDEQ regarding definitions Great Lakes and shorelines.

III. Michigan Department of Natural Resource (MDNR) Projects and Activities

Sherm Hollander, MDNR, reported that they are continuing to monitor paperwork between MDNR and the federal government for the ortho project.

IV. Michigan Department of Transportation (MDOT) Projects and Activities

Joyce Newell, MDOT, reported that they are continuing project to get segmentation in terms of framework for Highway Performance Monitoring System (HPMS). The data is at the MIC for them to begin writing software to make it possible for MSI to code information in statewide. It is only for the higher level systems, which includes the SEMCOG area. It is to enable pulling data from any source key to framework referencing to use for HPMS reporting. They are pursuing posting sufficiency segments to framework. Michigan Tech University is working with the County Road Association and MDOT to have a program called Roadsoft. At the last Roadsoft Users' Group Meeting, MDOT demonstrated a rough prototype version of GIS on framework. It is developed using MapObjects that is distributed to clients without having a GIS package. They are looking at October for completion of the data and it will be distributed through Roadsoft to counties and cities for free. Everybody is excited and interested in what

they saw. The developers were reluctant to present an incomplete product because it would only raise expectations.

Dave Shinavier, Barry County, commented that the Roadsoft product would expose the gap between Barry County's product and the framework product.

Rob Surber, MIC, added that this is a good thing. It will open things up in a much more open way.

V. Michigan Department of Environmental Quality (MDEQ) Projects and Activities

Nobody present.

VI. Michigan State Police (MSP) Projects and Activities

Nobody present.

VII. Michigan State Industries (MSI) Projects and Activities

Carol Woodman, MSI, distributed a current status map. They have finished the work for Berrien County and received Oceana and Muskegon Counties from MDOT.

Joyce Newell, MDOT, asked to create extra coverages for county certified roads that are not in framework.

VIII. MIC Projects and Activities

A. GIS Awareness Campaign

1. Clearinghouse / Web Survey Update

Eric Swanson, MIC, reported that since framework is stable in terms of production, the MIC is gearing up to make major investments in coordination. IMAGIN and the MIC have been working on the clearinghouse survey. They are anxious to get responses so that a GIS resource directory can be created.

2. Local Michigan GIS Users' Meeting

Eric Swanson, MIC, reported that the monthly Michigan GIS Users' Meetings have been invaluable in terms of information shared and the cooperation that evolved and this summer the MIC wants to conduct Local Michigan GIS Users' Meetings. Four agencies have indicated an interest in sponsoring meetings - the University of Michigan Library in cooperation with their natural resources group, the city of Troy, Northwest Michigan Council of Governments (NWMCOG), and CUPPAD.

Rob Surber, MIC, stated that there is a lot of local GIS coordination, but it might be valuable if people from state government attend the local meetings. For example, Steve Miller, Michigan Department of Environmental Quality (MDEQ), could talk about the Source Water Assessment Program (SWAP) program. The goal is to bring together small groups of people (25 people). Groups often do not cross paths and hopefully these meetings will offer a forum for discussion.

Eric Swanson, MIC, added that purpose of these meetings is for open discussion, not presentations.

Jeroen Wagendorp, Allegan County, commented that there must be more informal local groups that have not been reached. Allegan, Barry, Cass, and St. Joseph Counties, because of the software that they use, already meet together. The Local Michigan GIS Users' Meetings may tie them together and more.

Dave Shinavier, Barry County, stated that there is a regional meeting in the works but there is no date set at this time.

Eric Swanson, MIC, added that CUPPAD has a regional meeting scheduled and the Local GIS Users' Meeting will piggyback with it. If these local meetings are successful, the MIC would like to continue this each year. If interested in scheduling a date, contact Rob Surber at surberr@state.mi.us or (517) 373-7910.

Ann VanSlembrouck, SEMCOG, offered to piggy back regional meeting. It would be helpful to locals who may not know about the framework project. There are local governments in the region that are flying digital ortho's. Some are creating GIS in a vacuum and might want to know what the whole state is doing.

3. Spatial Database

Eric Swanson, MIC, reported that framework is now in the hands of many users. By default the MIC is creating a massive spatial database. Eric presented to local health departments an overview of programs being developed on framework by state departments - Department of Community Health is geocoding birth/death, cancer registries; Department of Environmental Quality is geocoding storage

tanks; Michigan State Police (MSP) is mapping crime, and Department of Agriculture is mapping food establishments.

4. Viewing Technology

Eric Swanson, MIC, reported that the viewing technology is part of the GIS Awareness Campaign. The MIC has had discussions with Bill Enslein, MSU Center for Remote Sensing and GIS, to generalize the viewer to a point to allow to query many different GIS sets without being a GIS expert.

Rob Surber, MIC, added that this viewing technology is being customized to make it friendly to Michigan's data and projects.

5. IMAGIN Conference

Eric Swanson, MIC, reported that the MIC will have a booth at the IMAGIN conference.

Rob Surber, MIC, commented that if departments, regions, counties, or locals are welcome to display their examples of framework data with the MIC if they don't have their own booth. If interested, contact Rob Surber at surberr@state.mi.us or (517) 373-7910.

B. Census 2000

Eric Swanson, MIC, reported that the MIC has been aggressively involved with the Census 2000 promotional campaign. A State Complete Count Committee has been formed; hard-to-enumerate maps by district have been developed and provided to every legislator; and over 1,000,000 promotional items have been distributed. The Census Bureau's web site (www.census.gov) posts daily response rate by community. The Bureau established goals of 5% higher than the 1990 mail-back response rates. The mail-back response deadline date is April 18 and then the enumerators will begin door-to-door. The Lt. Governor has planned a media campaign for the next month and has challenged the state of Ohio to a race in response rate returns. Promotional items were brought to the meeting and attendees were asked to take them and to encourage people to participate in the census.

IX. Regional Projects and Activities

Ann VanSlembrouck, SEMCOG, reported that they cleaned up the framework street names based on the Trillium results and it doubled the geocoding match rate for Livingston County. SEMCOG is cleaning up and edge-matching data for the web site and getting ready to do interactive mapping on web.

Amy Bancroft, West Michigan Regional Planning Commission, reported that the next Michigan Association of Regions meeting is having a GIS Users' meeting in May.

Laura Tschirhart, Tri-County Regional Planning Commission, reported that HNTB has been given extension on the 1990 land-use land-cover update project of the tri-county area (Ingham, Eaton, Clinton counties). There are delays with socio-economic data. They are using 1995 photos and 1999 satellite imagery.

X. MSU Center for Remote Sensing and GIS Projects and Activities

Bill Enslein, MSU, reported that they finished the matching of the lake names across counties and are working on metadata for lakes and 2-bank rivers.

XI. County / Local Projects and Activities

Dave Shinavier, Barry County, reported that within a week or two they would have all static maps and property section data on the web to serve banking industry and title surveyor needs. The maps have been saved to PDF format, will be out for distribution, and will be updated regularly. Dave asked if the MIC is aware of the Wireless Communications Act and commented that it's influence on framework could be substantial. Cellular phone owners are charged \$.55 per month for emergency 9-1-1 calls. The money will be redistributed to local governments. Barry County is supposed to get \$60,000 this year. The 9-1-1 organizations of each county is required to use the money by October 2002 to locate a cellular phone call within 25 meters. Cellular phone companies must also meet standards. The 9-1-1's that don't have mapping now would have to get it with the money – they will need software and data. Barry County already has maps and accuracy, so the 9-1-1 Board has committed to fund a person to drive all the road centerlines in the county with a Global Positioning System (GPS) – it will take 4 months to complete. Would have to hone framework to sub-meter centerline.

Rob Surber, MIC, commented that the MIC is speaking at 9-1-1 Conference and the Wireless Communications Act would probably be a primary issue. Many emergency calls are placed through cellular phones.

Eric Swanson, MIC, stated that with the repositioning effort we would clear up accuracy problems.

Dave Shinavier, Barry County, added that the wireless side is how coordinates would get to the dispatch center.

Jeroen Wagendorp, Allegan County, commented that the Automatic Vehicle Locator (AVL) has been functional in some parts of Michigan.

Dave Shinavier, Barry County, added that with the money, Barry County is going to add another trunkline just for cellular phones.

Jeroen Wagendorp, Allegan County, stated that they are still in process of getting ortho's, they got the four coastal townships. Most of the framework centerlines have been repositioned from the ortho's. Would continue as soon as the rest of photos continue to come in. They are still working on the county road maps. They have finished the county plat books within the last two months and the books are going to printer on Monday. A school district bought bus routing software that needed the address ranges. Jeroen gave it to them if they would agree to verify and update address ranges and return back to him and the school district agreed.

Rob Surber, MIC, commented that the Wayne County's GIS program is tied directly into their County Road Engineers. In terms of MDOT updating and sending information back to the county, is Jeroen speaking for Allegan County's road commission or how is it connected?

Jeroen Wagendorp, Allegan County, responded that he thinks that once there is countywide ortho coverage, he expects that there will be a better relationship.

Rob Surber, MIC, stated that the Local GIS Users' Meetings might bridge those gaps and perhaps legitimize efforts by showing what is going on statewide.

Eric Swanson, MIC, stated the MIC will publicize the meetings but it depends on locals to get their people to attend.

Jeroen Wagendorp, Allegan County, was concerned about the different sizes and types of local government GIS units at the county level in addition to the departments and how to get them to cooperate.

Eric Swanson, MIC, commented that it could be done. We have 20 state department that have come to together.

Joyce Newell, MDOT, added that with the possibility of new legislation for road funding, locals might not have a choice much longer. MIC may want to advise Roadsoft of any local meetings since they have an existing relationship with the county road commissions, MDOT, MIC, and GIS Departments and may be able to help bridge gaps. When the new version of Roadsoft is released with the GIS data on framework it would be more compatible.

XII. Federal Projects and Activities

Not present.

XIII. Other Issues

XIV. Next Meeting Date

May 4, 2000, 10 a.m. until 12 p.m., Lewis Cass Building, 1st Floor, North Wing, Department of Management & Budget Large Conference Room.

** If any changes or corrections are to be made to these minutes, please contact the Michigan Information Center at (517) 373-7910